

AMENDMENTS

IN THE CLAIMS:

1. (Currently Amended) A coin separator and rejector apparatus, comprising:
 - (a) a coin separator and rejector body having two or more segments hinged together in pivotal connection, said pivotally connected segments adapted to pivot around said hinge from a closed position to an open position, said hinged segments defining one or more downwardly inclined coin races formed between said hinged segments, said rejector body having an upstream portion and a downstream portion, and said coin races further comprising a first wall and a second wall, at least a portion of one of said walls in pivotal connection with a least one of said hinged segments of said coin separator and rejector body;
 - (b) one or more sensors located in said upstream portion of said rejector body;
 - (c) an actuator in mechanical connection said pivotal portion of said race wall; and
 - (d) a processor in electrical communication with said sensors and with said actuator.
2. (Original) The apparatus of Claim 1 further comprising a second sensor located in said downstream portion of said rejector body.
3. (Original) The apparatus of Claim 1 wherein said actuator is an electric motor.
4. (Original) The apparatus of Claim 1 wherein said actuator is a solenoid.
5. (Original) The apparatus of Claim 4 wherein said solenoid is a latching solenoid.
6. (Original) The apparatus of Claim 4 wherein said solenoid is a wound cap solenoid.
7. (Original) The apparatus of Claim 1 wherein at least one of said sensors is an induction coil.

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8. (Original) The apparatus of Claim 1 wherein at least one of said sensors is a Hall effect sensor.
9. (Original) The apparatus of Claim 1 wherein at least one of said sensors is a photoelectric sensor.
10. (Original) The apparatus of Claim 9 wherein at least one of said sensors is an LED sensor.
11. (Original) The apparatus of Claim 9 wherein at least one of said sensors is an IR sensor.
12. (Original) The apparatus of Claim 1 further comprising a light coin spring detector positioned in the downstream portion of said rejector body.
13. (Currently Amended) A coin separator and rejector apparatus, comprising:
 - (a) a coin separator and rejector body having two or more segments hinged together in pivotal connection, said hinged segments adapted to pivot around said hinge from a closed position to an open position, said hinged segments defining one or more downwardly inclined coin races formed between said hinged segments, said rejector body having an upstream portion and a downstream portion, said coin races further comprising a first wall and a second wall, at least a portion of one of said walls in pivotal connection with at least one of said hinged segments of said coin separator and rejector body;
 - (b) one or more sensors located in said upstream portion of said rejector body;
 - (c) one or more sensors located in said downstream portion of said rejector body.
 - (d) an actuator in mechanical connection said pivotal portion of said race wall; and
 - (e) a processor in electrical communication with said sensors and with said actuator.

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14. (Original) The apparatus of Claim 13 wherein said actuator is an electric motor.
15. (Original) The apparatus of Claim 13 wherein said actuator is a solenoid.
16. (Original) The apparatus of Claim 15 wherein said solenoid is a latching solenoid.
17. (Original) The apparatus of Claim 15 wherein said solenoid is a wound cap solenoid.
18. (Original) The apparatus of Claim 13 wherein at least one of said sensors is an induction coil.
19. (Original) The apparatus of Claim 13 wherein at least one of said sensors is a Hall effect sensor.
20. (Original) The apparatus of Claim 13 wherein at least one of said sensors is a photoelectric sensor.
21. (Original) The apparatus of Claim 20 wherein at least one of said sensors is an LED sensor.
22. (Original) The apparatus of Claim 20 wherein at least one of said sensors is an IR sensor.
23. (Original) The apparatus of Claim 13 further comprising a light coin spring detector positioned between said one or more sensors located in said upstream portion of said rejector body and said one or more sensors located in said downstream portion of said rejector body.
24. (Previously Withdrawn)
25. (Previously Withdrawn)
26. (Previously Withdrawn)
27. (Previously Added) An apparatus for accepting and rejecting coins, comprising:
 - (a) a coin separator and rejector body having an upstream portion and a downstream portion, said coin separator and rejector body formed from two or more segments hinged together, said hinged together segments

adapted to pivot around said hinge from a closed position to an open positions, said hinged together segments forming one or more downwardly inclined coin races between said hinged segments, said coin races further comprising a first wall and a second wall, at least a portion of one of said walls in pivotal connection with said hinged segment of said coin acceptor and rejector body;

(b) means for sensing located in said upstream portion of said coin separator and rejector body;

(c) means for pivoting to an open position at least one of said hinged segments in pivotal connection with at least a portion of one of said walls; and

(d) a processor in electrical communication with said sensing means and said pivoting means.

28. (Previously Added) The apparatus of Claim 27 further comprising means for sensing located in said downstream portion of said coin separator and rejector body.

29. (Previously Added) The apparatus of Claim 27 further comprising means for stopping a coin of insufficient weight in said coin race, said means located downstream of said sensing means.

30. (Previously Added) The apparatus of Claim 27 further comprising means for stopping a coin of less than a predetermined weight, said means located between said sensing means located in said upstream portion of said coin separator and rejector body and said downstream portion of said coin separator and rejector body.

31. (Previously Added) The apparatus of Claim 27 further comprising a magnet mounted adjacent said coin race in the upstream portion of said coin separator and rejector body.

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32. (New) A coin acceptor and rejector apparatus, comprising:

- (a) A coin acceptor and rejector body comprising two or more segments hinged together, said hinged together segments adapted to pivot around said hinge from a closed position to an open position, said hinged together segments further comprising one or more downwardly inclined coin races formed therein, said downwardly inclined coin races further comprising a first wall and a second wall wherein at least a portion of one of said race walls is in pivotal connection with said acceptor and rejector body, said pivotal connection having an open position and a closed position wherein in said open position an object contained in said coin race will be released from said acceptor and rejector body; said acceptor and rejector body further comprising an upstream portion and a downstream portion;
- (b) A first sensor located in said upstream portion of said acceptor and rejector body, said first sensor adapted for detecting an object in said coin race in said upstream portion of said acceptor and rejector body;
- (c) A second sensor located in said downstream portion of said acceptor and rejector body, said second sensor adapted for detecting an object in said coin race in said downstream portion of said acceptor and rejector body;
- (d) An actuator in mechanical connection with said pivotal portion of said race wall for pivoting said pivotal connection from said closed position to said open position;
- (e) A processor in electrical communication with said first sensor, said second sensor and said actuator, said processor programmed to receive a signal from said second sensor within a predetermined time period upon detection of an object by said first sensor in said upstream portion of said acceptor and rejector body, said processor further programmed to send a signal to said actuator to pivot said pivotal connection from said closed

position to said open position if said predetermined time period is exceeded.

33. (New) A coin acceptor and rejector apparatus, comprising:

- (a) A coin acceptor and rejector body comprising two or more segments hinged together, said hinged together segments adapted to pivot around said hinge from a closed position to an open position, said hinged together segments further comprising one or more downwardly inclined coin races formed therein, one or more downwardly inclined coin races formed within said acceptor and rejector body, said downwardly inclined coin races further comprising a first wall and a second wall wherein at least a portion of one of said race walls is in pivotal connection with said acceptor and rejector body, said pivotal connection having an open position and a closed position wherein in said open position an object contained in said coin race will be released from said acceptor and rejector body; said acceptor and rejector body further comprising an upstream portion and a downstream portion;
- (b) A magnet mounted adjacent said coin race located in said upstream portion of the said acceptor and rejector body, said magnet adapted to swing away upon pivoting said pivotal connection from said closed position to said open position;
- (c) A first sensor located in said upstream portion of said acceptor and rejector body, said first sensor adapted for detecting an object in said coin race in said upstream portion of said acceptor and rejector body;
- (d) A second sensor located in said downstream portion of said acceptor and rejector body, said second sensor adapted for detecting an object in said coin race in said downstream portion of said acceptor and rejector body;



- (e) An actuator in mechanical connection with said pivotal portion of said race wall for pivoting said pivotal connection from said closed position to said open position;
- (f) A processor in electrical communication with said first sensor, said second sensor and said actuator, said processor programmed to receive a signal from said second sensor within a predetermined time period upon detection of an object by said first sensor in said upstream portion of said acceptor and rejector body, said processor further programmed to send a signal to said actuator to pivot said pivotal connection from said closed position to said open position if said predetermined time period is exceeded.

34. (New) A coin acceptor and rejector apparatus, comprising:

- (a) a coin acceptor and rejector body comprising two or more segments hinged together, said hinged together segments adapted to pivot around said hinge from a closed position to an open position, said hinged together segments further comprising one or more downwardly inclined coin races formed therein, one or more downwardly inclined coin races formed within said acceptor and rejector body, said downwardly inclined coin races further comprising a first wall and a second wall wherein at least a portion of one of said race walls is in pivotal connection with said acceptor and rejector body, said pivotal connection having an open position and a closed position wherein in said open position an object contained in said coin race will be released from said acceptor and rejector body; said acceptor and rejector body further comprising an upstream portion and a downstream portion;
- (b) Means for detecting an object in said coin race by a first sensor located in said upstream portion of said acceptor and rejector body;

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- (c) Means for detecting an object in said coin race by a second sensor located in said downstream portion of said acceptor and rejector body;
- (d) Means for pivoting a portion of said race wall from said closed position to said open position;
- (e) Means for signaling said pivotal portion of said race wall to move from said closed position to said open position if a predetermined time period is exceeded in detecting an object in said coin race by said first sensor and detecting an object in said coin race by said second sensor.
